MultiModem II™

MultiModemII

Data/Fax Modem

MT5600BA and MT5600BL Series

MT5600BA – V.92
MT5600BA – V.90
MT5600BL – V.90

Quick Start Guide

MultiTech Systems

MultiModemII Quick Start Guide

MT5600BA–V.92, MT5600BA–V.90, MT5600BL–V.90
P/N 82080254 Revision E
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Record of Revisions

Revision	*Date*	*Description*
A	10/3/02	Initial release of MT5600BA-V.92. In addition, replaces old MT5600BA/BL Quick Start Guide Rev. B - 82086201.
B	02/17/03	Changed the cover page; performed minor edits.
C	07/30/03	Added country configuration using the LCD panel. Added PhoneTools software paragraph.
D	05/28/04	Change the word *country* to *country or region*.
E	12/09/04	Add Web site location of the country/region code list.

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Technical Support

Country	By Email	By Phone
France:	support@multitech.fr	+(33) 1-64 61 09 81
India:	support@multitechindia.com	+91 (124) 6340778
U.K.:	support@multitech.co.uk	+(44) 118 959 7774
U.S and Canada:	support@multitech.com	(800) 972-2439
Rest of the World:	support@multitech.com	

World Headquarters

Multi-Tech Systems, Inc.
2205 Woodale Drive
Mounds View, MN 55112 U.S.A.
(763) 785-3500 or (800) 328-9717
Fax (763) 785-9874
Internet *http://www.multitech.com*

Getting Started

This *Quick Start Guide* will help you install and set up your modem. A *User Guide* containing detailed configuration information and a separate AT Commands reference guide can be found on the MultiModemII CD shipped with your modem.

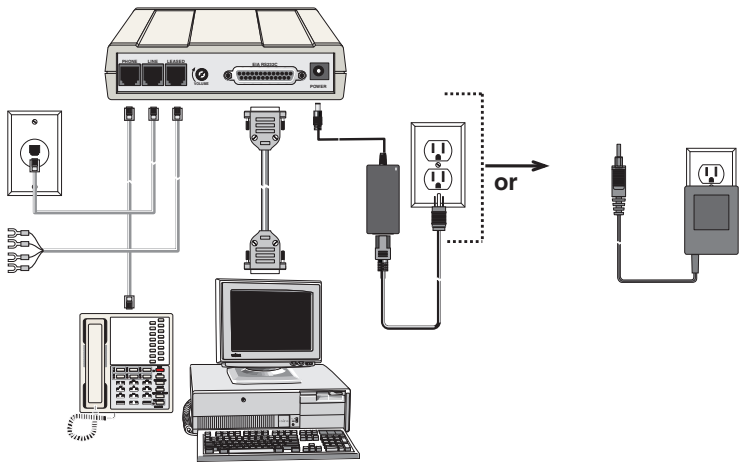
Safety Warnings

- Use this product only with UL- and CUL-listed computers (US).
- Never install phone wiring during a lightning storm.
- Never install a phone jack in a wet location unless the jack is specifically designed for wet locations.
- Never touch uninsulated phone wires or terminals unless the phone line has been disconnected at the network interface.
- Use caution when installing or modifying phone lines.
- Avoid using a phone during an electrical storm; there is a risk of electrical shock from lightning.
- Do not use a phone in the vicinity of a gas leak.
- To reduce the risk of fire, use only 26 AWG or larger telephone line cord.

Modem Installation

Step 1: Connect the Modem to Your System

Turn off your computer. Placing the modem in a convenient location, connect it to your computer's serial port, to the telephone line, to your leased line, to AC power, and, optionally, to your telephone.



MultiModemII connections with V.92 transformer. Also shown: V.90 transformer

Connect the Modem to Your PC

Plug one end of the serial cable into the RS-232 connector on the modem and plug the other end into a serial port connector on your computer, such as COM1 or COM2.

Connect the Modem to the Telephone Line (Dialup Connection)

Plug one end of the modular phone cable into the modem's LINE jack, and the other end into a public switched telephone network (PSTN) wall jack.

Important: The LINE jack and PHONE jack are not interchangeable. Do not plug the phone into the LINE jack. Do not plug the line cable into the PHONE jack.

Note: Regulatory agencies may impose certain restrictions on equipment connected to public telephone systems.

Connect the Two-Wire Leased Line

MT5600BA – Plug one end of a two-wire phone cable into the modem's LINE jack; connect the other end to a leased line wall jack or terminals.

MT5600BL – Plug one end of a two-wire phone cable into the modem's LEASED jack; connect the other end to a leased line wall jack or terminals.

Connect the Four-Wire Leased Line

MT5600BL Only – Plug one end of a four-wire phone cable into the modem's LEASED jack; connect the other end to a four-wire leased line wall jack or terminals.

Modems with a leased-line jack support the dial backup feature. For dial backup operation, plug one end of your dialup modular phone cable into the modem's LINE jack and the other end into a PSTN wall jack.

Connect the Phone to the Modem (Optional)

For voice-only calls, plug a telephone into the modem's PHONE jack.

Connect the Modem to the AC Power Outlet

Plug the transformer module into an AC power outlet or power strip. Plug the transformer module's cable into the modem's POWER jack.

Note: Use only the transformer module supplied with the modem. Use of any other module voids the warranty and can damage the modem.

Power-On Test

Test the modem by turning it on (a power switch is located on the front panel). When you turn it on, the modem performs a diagnostic self-test, indicated by the TM indicator lighting for a few seconds, after which the LCD should light. If this does not happen, check that the power switch is on, the transformer module supply is solidly connected, and the AC outlet is live.

Step 2: Install the Modem Driver

If you use Windows 98/Me/NT/2000/XP, you must install the modem driver. When operating the modem under Windows, the modem driver can be installed by using the Plug-and-Play feature. If you use an operating system that does not support Plug-and-Play, see the User Guide.

Modem Driver Installation for Windows 98/Me/2000/XP

1. Make sure your modem is connected properly, and then turn on your computer. Windows should detect your new modem and open the **Install New Modem** wizard.

   Note: If Windows cannot find a modem, see the "Troubleshooting" chapter of the User Guide.

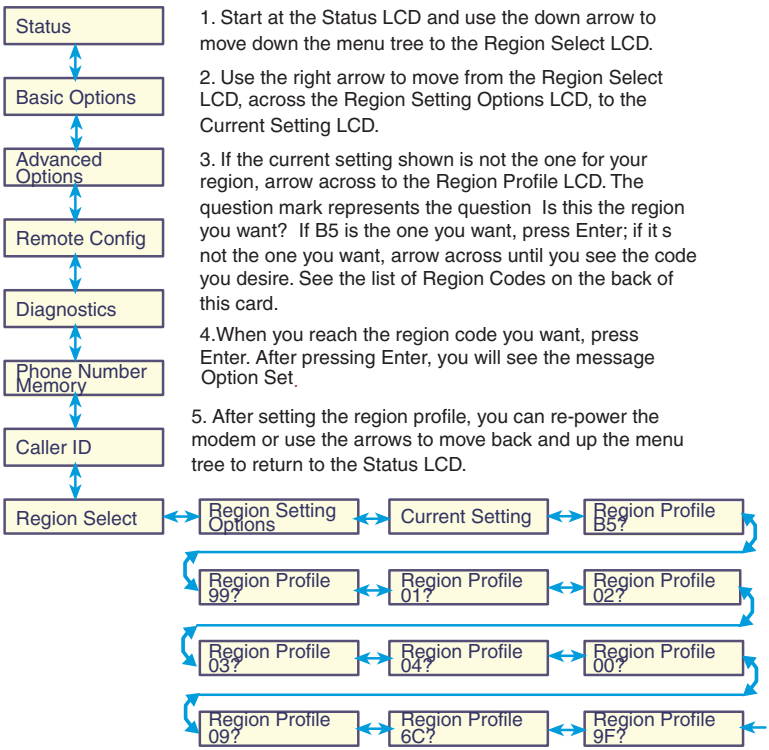
   For Windows NT, the **Install New Modem** wizard presents one additional prompt before Step 2. At this prompt, select **Don't detect my modem, I will select it from a list**. Then click **Next**. A dialog box with a list of manufacturers and a list of modem models appear. Select your modem.
2. Insert the MultiModemII CD into your CD-ROM drive. Click **OK**.
3. Windows installs and configures the modem.
4. Click **Finish** to exit.

Step 3: Set Country or Region Code (MT5600BA-V.92 Only)

The MT5600BA-V.92 is a global modem. However, countries or regions vary in their requirements for how a modem functions. Therefore, you must configure yours to match the defaults of the country or region in which you are using it. Choose one of three methods:

- Using the LCD Panel to Set Your Country or Region Code
- Using the Global Wizard to Set Your Country or Region Code
- Using AT Commands to Set Your Country or Region Code

Using the LCD Panel to Configure Your Modem



1. Start at the Status LCD and use the down arrow to move down the menu tree to the Region Select LCD.

2. Use the right arrow to move from the Region Select LCD, across the Region Setting Options LCD, to the Current Setting LCD.

3. If the current setting shown is not the one for your region, arrow across to the Region Profile LCD. The question mark represents the question Is this the region you want? If B5 is the one you want, press Enter; if it s not the one you want, arrow across until you see the code you desire. See the list of Region Codes on the back of this card.

4.When you reach the region code you want, press Enter. After pressing Enter, you will see the message Option Set.

5. After setting the region profile, you can re-power the modem or use the arrows to move back and up the menu tree to return to the Status LCD.

Using the Global Wizard to Configure Your Modem

The Global Wizard configuration utility is recommended for computers running in Windows.

1. Insert the MultiModemII CD into the CD-ROM drive. The **Autorun** dialog box appears.
2. Click **Initial Setup and Region Selection**. The Global Wizard dialog box appears. Click **Next**.
3. The Global Wizard searches for your modem and identifies it. Click **Next** after your modem is identified.
4. Select the country or region in which the modem will be used. Click **Next**.
5. Review your choice. If it is correct, click **Next.**
6. When the Global Wizard announces that the parameters have been set, click **Finish** to exit.

Using AT Commands to Configure Your Modem

If you are comfortable using AT commands, you can use them to configure your modem. You must enter these commands in your communication program's terminal window. You can use a communication program such as PhoneTools. See Step 4 below.

To change the country/region code, the initialization string must contain the AT command for your specific country/region.

1. View the list of available country/region codes and find your code by executing the command **AT +GCI? <CR>**

   Note: A list of country/region codes is also available on the Multi-Tech Web site at:

   http://www.multitech.com/PRODUCTS/Categories/Modems/global/configuration.asp#chart
2. Set and save the code by executing the command **AT+GCI=*nn* <CR>** (where *nn* is the country/region code).
3. **OK** displays.
4. The code then displays.

For details and examples, see the MT5600BA/BL User Guide.

Step 4: Install PhoneTools

Note: PhoneTools may or may not be included on the MultiModemII CD according to your company's preference.

PhoneTools is a data communications software program. To install PhoneTools, insert the MultiModemII CD into your CD-ROM drive, click the PhoneTools icon. You will be asked to choose your language. The software automatically loads onto your PC.

Patents

This device is covered by one or more of the following patents: 6,031,867; 6,012,113; 6,009,082; 5,905,794; 5,864,560; 5,815,567; 5,815,503; 5,812,534; 5,809,068; 5,790,532; 5,764,628; 5,764,627; 5,754,589; D394,250; 5,724,356; 5,673,268; 5,673,257; 5,644,594; 5,628,030; 5,619,508; 5,617,423; 5,600,649; 5,592,586; 5,577,041; 5,574,725; 5,559,793; 5,546,448; 5,546,395; 5,535,204; 5,500,859; 5,471,470; 5,463,616; 5,453,986; 5,452,289; 5,450,425; D353,598; 5,355,365; 5,309,562; 5,301,274. Other patents pending.